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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/473,713	12/29/1999	GREGORY R.J. THATCHER	1995-033-12U	1352
7590 07/29/2005			EXAMINER	
Clark & Elbing LLP 101 Federal Street			DELACROIX MUIRHEI, CYBILLE	
Boston, MA 0			ART UNIT	PAPER NUMBER
·			1614	
			DATE MAIL ED: 07/20/2001	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Nonlinetian Na	Applies
	Application No.	Applicant(s)
Office Action Sammer	09/473,713	THATCHER ET AL.
Office Action Summary	Examiner	Art Unit
	Cybille Delacroix-Muirheid	1614
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wit	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, If NO period for reply is specified above, the maximum statutory provided to reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a re n. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MONT statute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).
Status		•
1)⊠ Responsive to communication(s) filed on 2	28 April 2005	•
· _ · · · · · · · · · · · · · · · · · ·	This action is non-final.	
3) Since this application is in condition for alle		ers, prosecution as to the merits is
closed in accordance with the practice und		· ·
Pisposition of Claims		
4) Claim(s) <u>11,13-20,22,24,26,28,33-41 and</u>	42 is/are pending in the analise	tion
4a) Of the above claim(s) is/are with		mon.
5)⊠ Claim(s) <u>33-35, 37-40</u> is/are allowed.	idiawii iidiii colisideralidii.	•
6) Claim(s) 11,13-20,22,24,26,28,36,41 and	43 is/are reiected.	
7) Claim(s) is/are objected to.		•
8) Claim(s) are subject to restriction a	nd/or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Exar	minor	
· <u> </u>	accepted or b) objected to b	v the Examiner
Applicant may not request that any objection to	. ,— ,	•
Replacement drawing sheet(s) including the co	-	
11) The oath or declaration is objected to by th	e Examiner. Note the attached	Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:		119(a)-(d) or (f).
1. Certified copies of the priority docum		a Bankar Na
2. Certified copies of the priority docun3. Copies of the certified copies of the	·	· · · · · · · · · · · · · · · · · · ·
application from the International Bu		eceived in this inational stage
* See the attached detailed Office action for a	· · · · · · · · · · · · · · · · · · ·	eceived.
Attachment(s)		•
Notice of References Cited (PTO-892)		immary (PTO-413)
(!)		/Mail Date formal Patent Application (PTO-152)
Paper No(s)/Mail Date	6) Other:	
Patent and Trademark Office OL-326 (Rev. 1-04) Office Office	ce Action Summary	Part of Paper No./Mail Date 072505

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Detailed Action

The following is responsive to applicant's amendment received April 28, 2005.

Claims 1-10, 12, 21, 23, 25, 27, 29-32, 42 are cancelled. Claims 11, 13-20, 22, 24, 26, 28, 33-41, 43 are currently pending.

The previous objection of claim 43, set forth in paragraph 1 of the office action mailed Jan. 26, 2005 is withdrawn in view of applicant's amendment and the remarks contained therein.

The following new ground(s) of rejection is submitted upon further consideration of the pending claims with a supervisory patent examiner.

The indication of allowability of claims 11, 13, 14-20, 22, 24, 26, 28, 36, 41 is withdrawn in view of the following new ground(s) of rejection.

New Ground(s) of Rejection

Claim Rejection(s)—35 USC 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 1. Claims 11, 13, 14-20, 22, 24, 26, 28, 36, 41 and 43 are rejected under 35 U.S.C. 102(a) as being anticipated by Thatcher et al., 5,807,847 (already of record).

Thatcher et al. teach a method of effecting "tissue relaxation" in a patient in need thereof, the method comprising administering an effective amount of a pharmaceutical

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composition containing an aliphatic nitrate ester compound represented by the general formula (col. 3)

where X is CH₂, O, NH, NMe, S, SO₂M, PO₂HM, PO₃M₂, SH, SR₇, P(O)(OR₃)(OR), P(O)(OR₃)(OM), P(O)(OR₃)(R₆), P(O)(OM)R₅, SO₂M, S(O)R₆, S(O)₂R₉, S(O)OR₈ or S(O)₂OR;

Y is zero, SR₄, SR₁₀, SSR₁₀, SO₂M, SO₃M, PO₃ HM, PO₃M₂, P(O)(OR₅)(OM), or P(O)(OR₅)OR₆;

 R_5 , R_6 , R_8 , R_0 , R_{10} are the same or different alkyla containing 1-12 carbon atoms or C_1 or C_2 connections to R_1 or R_3 in cyclic derivatives;

R7 is C1-C9 alkyl or acyl;

 R_2 and R_4 are the same or different and selected from H, ONO₂, C_1 – C_4 alkyl optionally bearing 1–3 nitrate groups, and acyl groups (—C(O) R_{10});

 R_1 and R_3 are the same or different and selected from H, C_1 - C_4 alkyl and chains, which may include one O, linking R_1 and R_3 to form pentosyl, hexosyl, cyclopentyl or cycohexyl rings, which rings optionally bear hydroxyl substinents; and

M is H, Na⁺, K⁺, NH₄⁺ or NH_nR_{7(4-n),}, where n is 0-3.

Species exemplified by Thatcher et al. comprise the following compounds,

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Please see col. 4.

The claims are anticipated by Thatcher et al. because Thatcher et al. disclose administering of identical active agents to a subject in need thereof using the claimed method steps. Therefore, sedation or mitigation of anxiety would be inherent. Moreover, the patient population being treated in the claims and prior art overlap.

Conclusion

Claims 11, 13, 14-20, 22, 24, 26, 28, 36, 41 and 43 are rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Cybille Delacroix-Muirheid** whose telephone number is **571-272-0572**. The examiner can normally be reached on Mon-Thurs. from 8:30 to 6:00 as well as every other Friday from 9:30-6:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

number for the organization where this application or proceeding is assigned is 571-

supervisor, Christopher Low, can be reached on 571-272-0951. The fax phone

273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

CDW (

July 25, 2005

REBECCA COOK PRIMARY EXAMINER

GROUP -1200 /6/4

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